

# **NACo Meth Presentation Teen Version**

Prior to using this presentation, please  
refer to the speaker notes found in the  
notes view of PowerPoint

# Methamphetamine



# Meth Kills



# Meth Destroys Communities

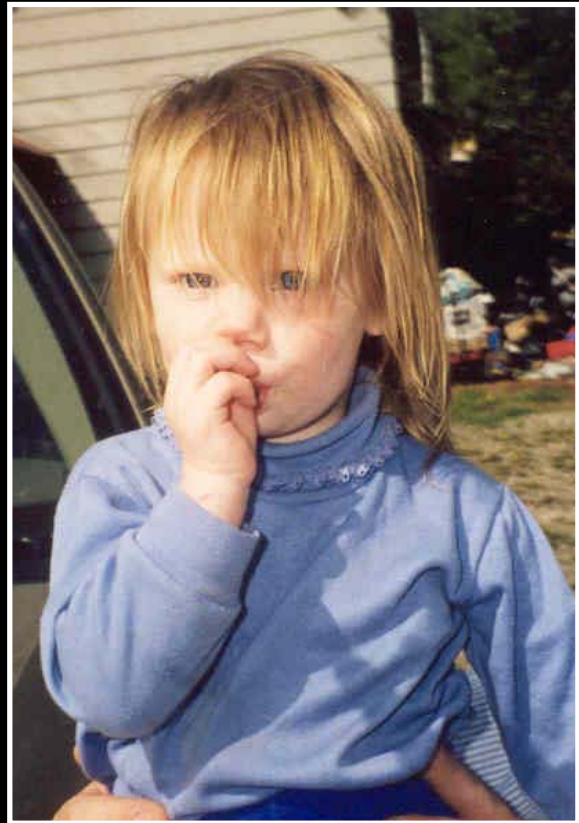




# Meth Costs You Money



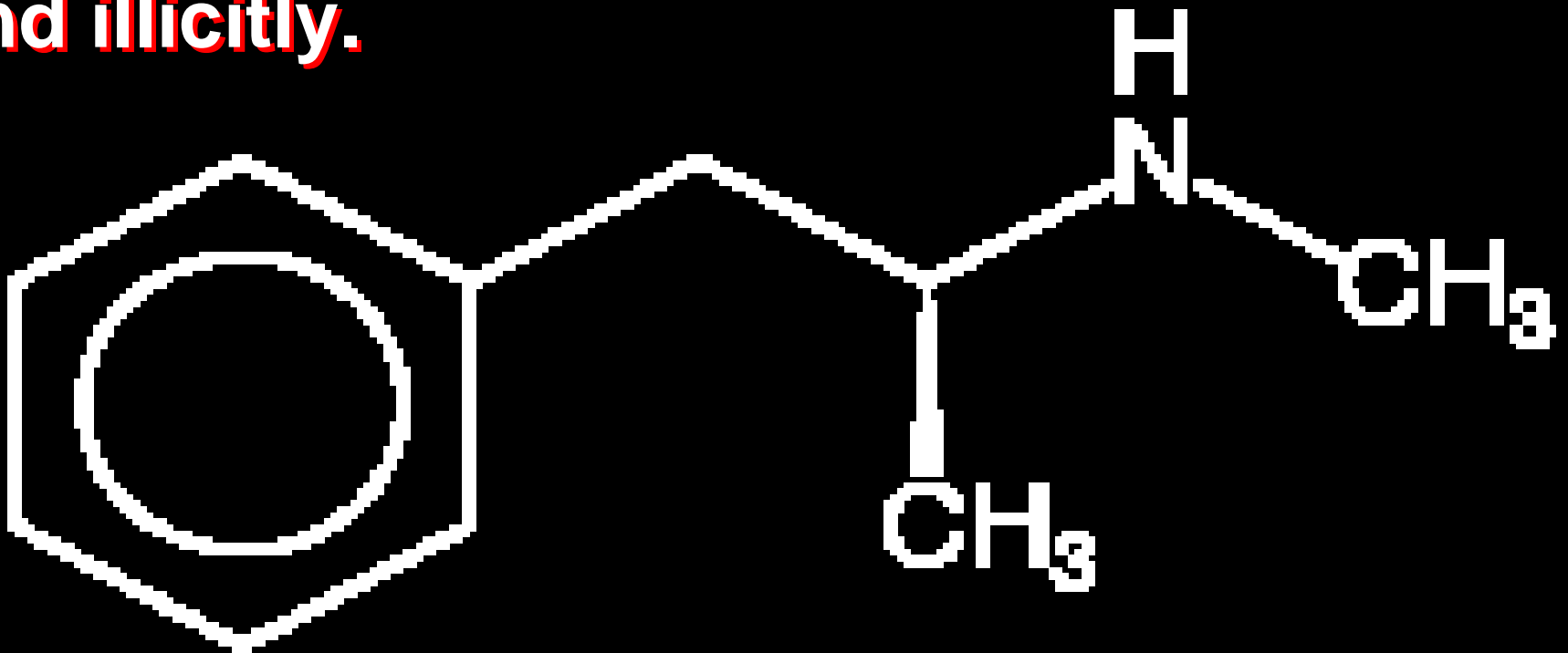
# Meth Hurts Kids



# Meth Will Change Your Life...Forever



**METHAMPHETAMINE:** An amine derivative of amphetamine, used in the form of its crystalline hydrochloride as a central nervous system stimulant, both medically and illicitly.





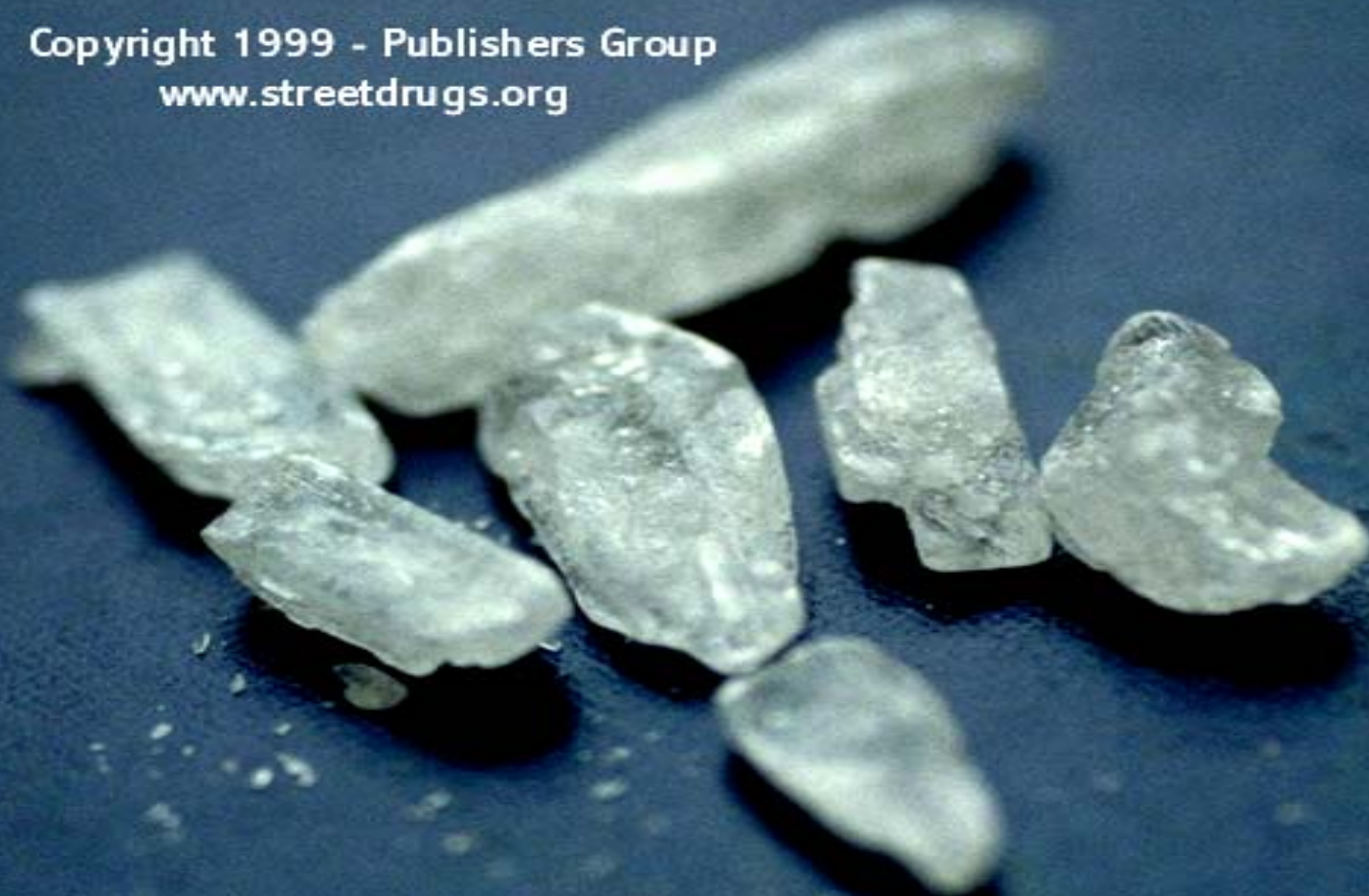
# Pharmaceutical Meth



# **METH/ICE: It could be far worse**

## **Hawaii: More meth than alcohol death in 2002**

Copyright 1999 - Publishers Group  
[www.streetdrugs.org](http://www.streetdrugs.org)



# Meth Variations

- **l-Meth (levo-M)** is the active ingredient in OTC products (such as VICKS inhalers). Used as directed, it poses no risk to health; does not have substantial addictive qualities.
- **dl-Meth (dextro-levo-Meth)** is produced using the P2P method (preferred method late 1970s to early 1980s.) Production and use of dl-Meth, less potent than d-Meth, is limited but present.
- **d-Meth (dextro-Meth)** is produced using ephedrine/pseudo reduction methods. It is a controlled substance and potent CNS stimulant that enters the brain easily. Highly addictive, d-Meth is the most potent, widely abused form of Methamphetamine.

# Red-Phosphorus Meth





# YABA – Meth and Caffeine



# METH, ICE, GLASS, CRYSTAL





# Meth Made with Anhydrous





# Meth Kills





# Meth Kills



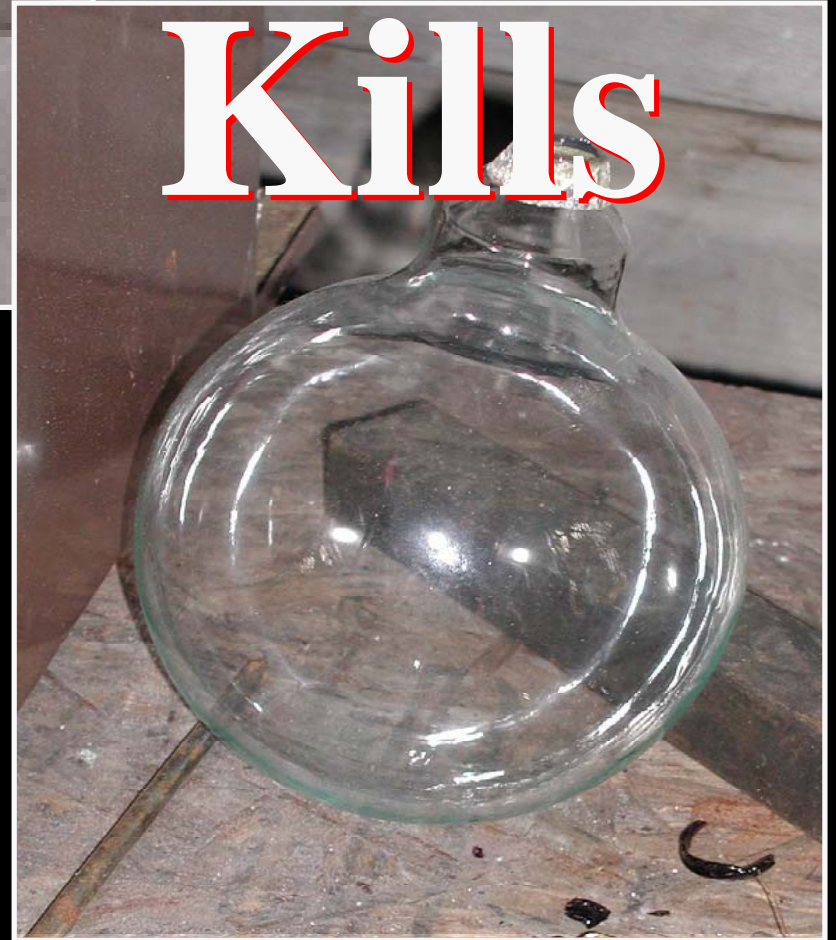
(AP PHOTO)



**Meth  
Kills**

# Meth

# Kills



**There is no single  
profile of a Meth user.**





**METH users are our  
children, our neighbors  
and our friends. They  
are young and old, rich  
and poor, rural and  
urban.**

**METH is an  
equal  
opportunity  
addiction.**

**"We're losing children to this drug war, and we need to take our children back."**

Associated Press, Walker MN, August 2003



**"Methamphetamine has become  
an epidemic in our Indian  
Country,"**

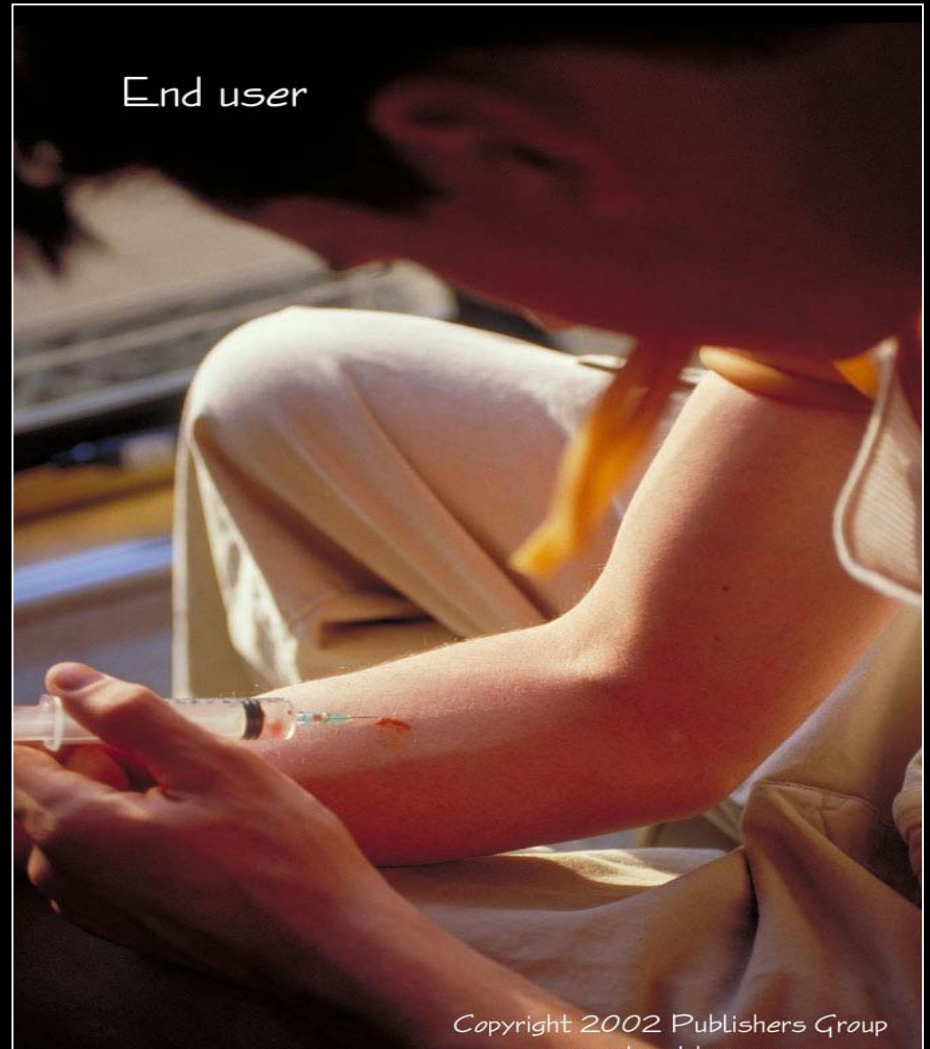
**said Jan Morley, assistant U.S.  
attorney...**





**Most Meth  
users  
admitted to  
treatment  
are poly-  
drug users.**

## ***Meth Kills***

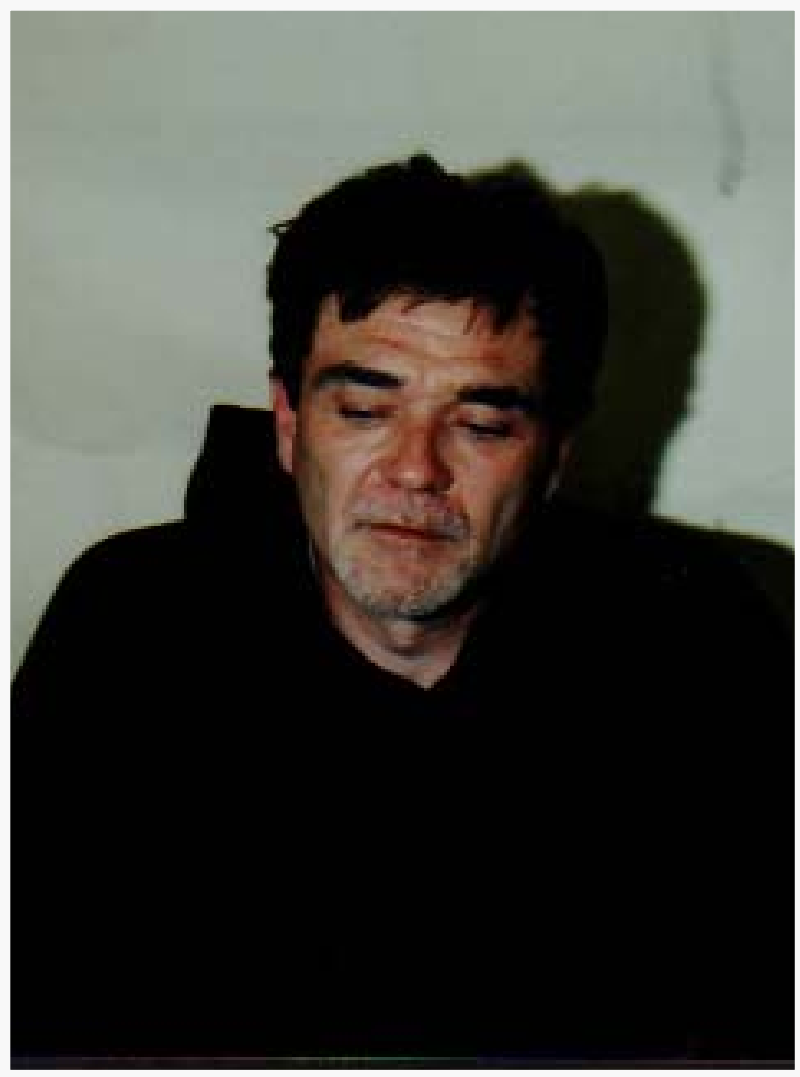


Copyright 2002 Publishers Group

**“I used meth  
the first time  
because I  
didn’t know...”**

...I used meth  
the second  
time because I  
didn't care."

**People take Meth to feel good.**





**People take Meth to look good.**



**Age 32 ..... Age 41**

**People take Meth to look good.**



**People take Meth to improve  
their sex and social lives.**



**People take Meth to improve  
their sex and social lives.**





**Meth takes people out of  
their homes in many ways...**



**Meth takes  
people out  
of their  
homes in  
many  
ways...**



**Meth takes  
people out  
of their  
homes in  
many  
ways...**



**Meth takes  
people out  
of their  
homes in  
many  
ways...**





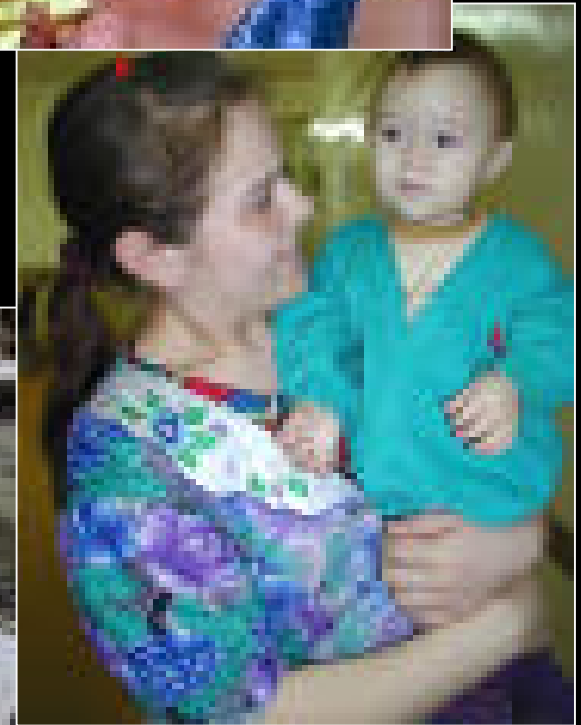
**Meth takes  
people out  
of their  
homes in  
many  
ways...**



**Meth takes people out of  
their homes in many  
ways...**



# Meth Hurts Kids



**Despite the  
dangers,  
people make  
Meth where  
they and  
their  
children live.**

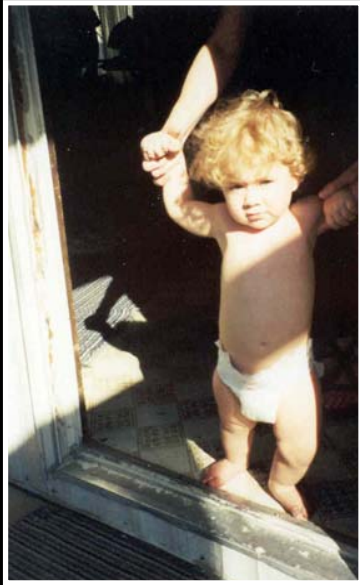


# What it's like to live with Meth at Amber's house...



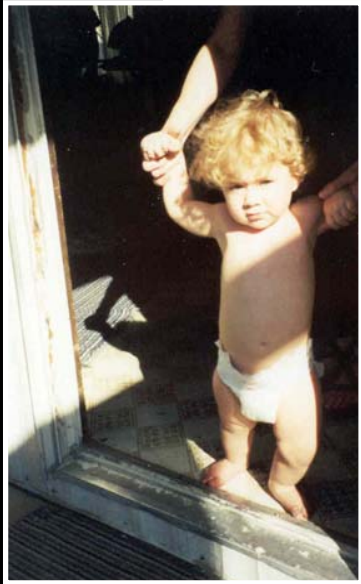


# What it's like to live with Meth at Amber's house...

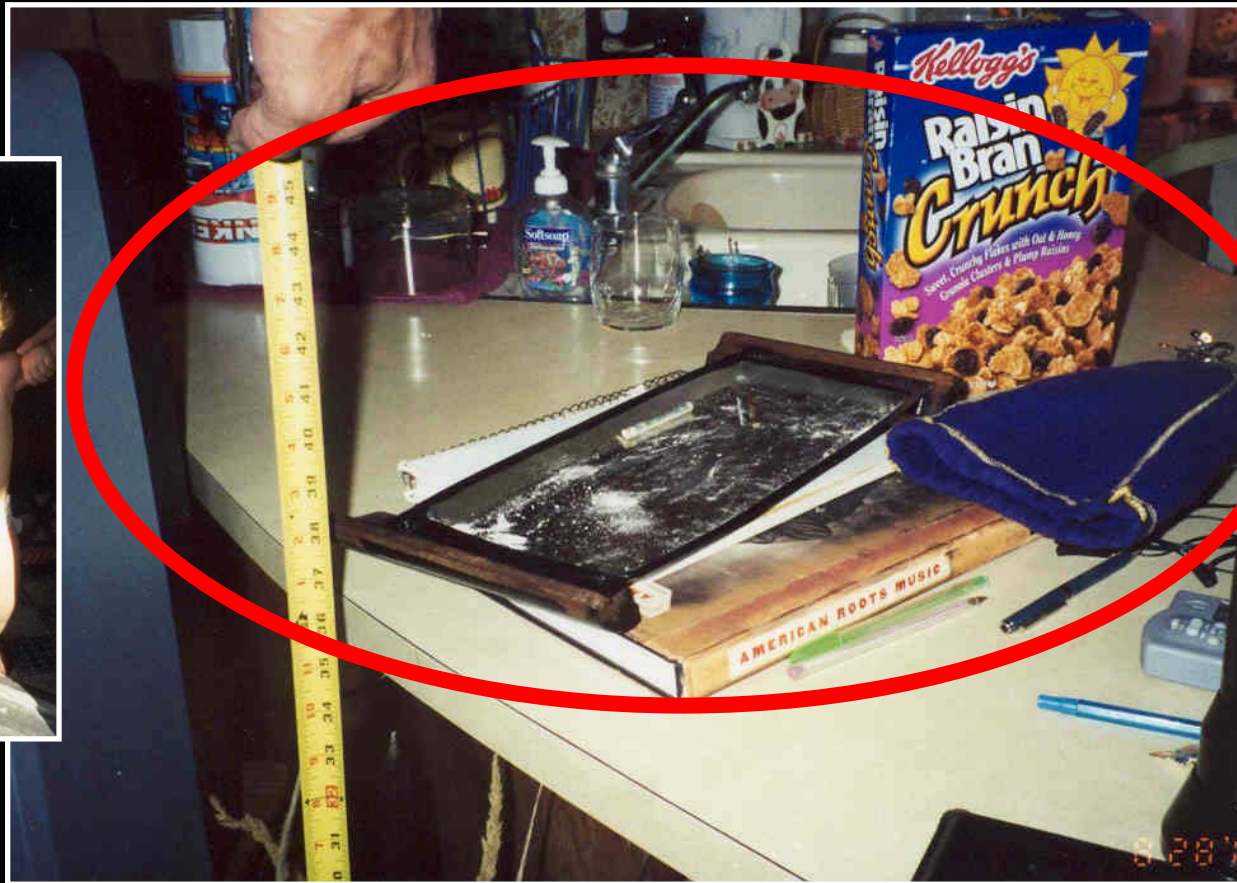




# What it's like to live with Meth at Amber's house...



# What it's like to live with Meth at Amber's house...



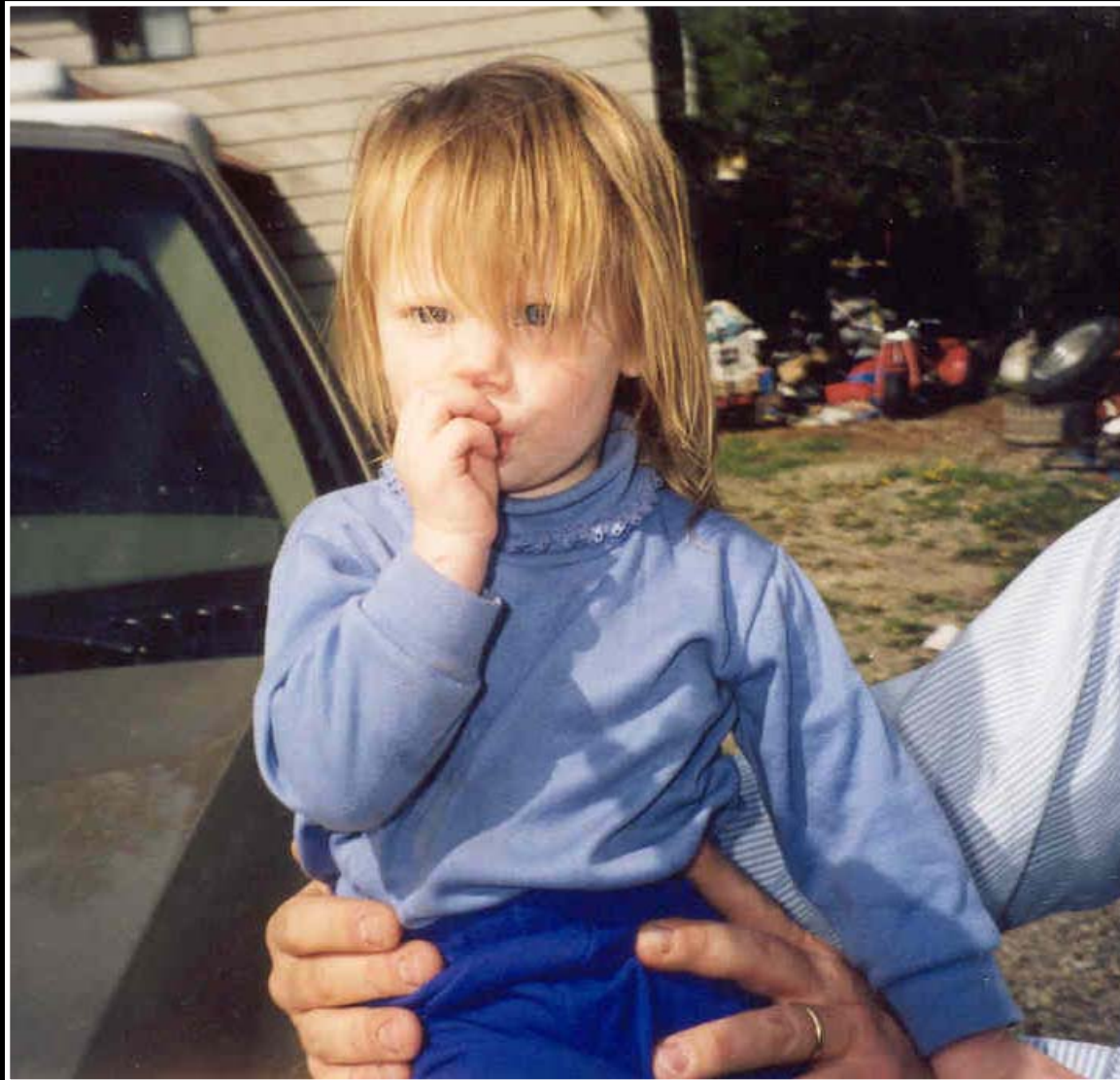
**What it's  
like to live  
with Meth at  
Amber's  
house...**

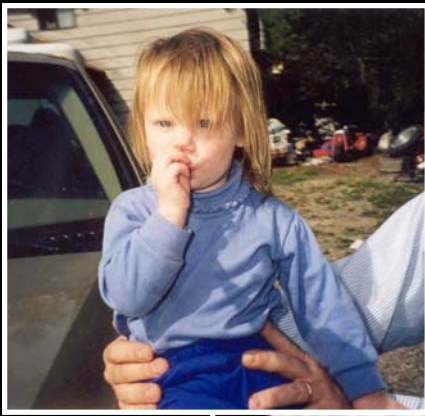
**Life is not  
safe, where  
surveillance  
is needed.**





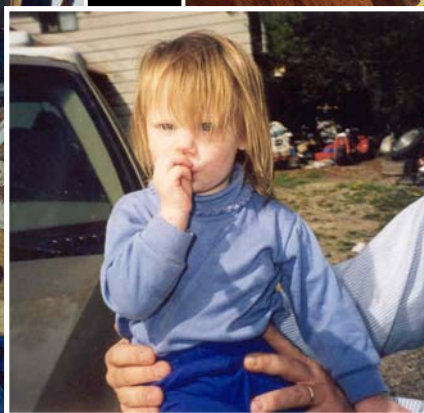
# Scenes from Jade's house...





**Jade and her mom shared a bed on which Meth, chemicals and paraphernalia were found.**





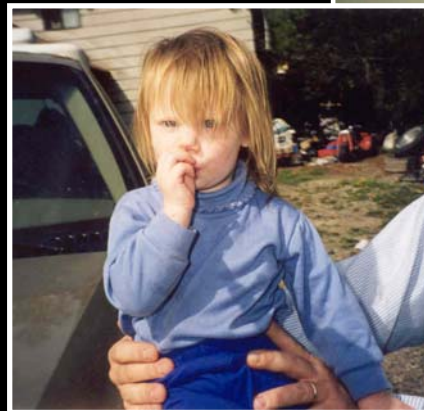
**Jade's bathroom;**  
**Mom's Meth Lab**





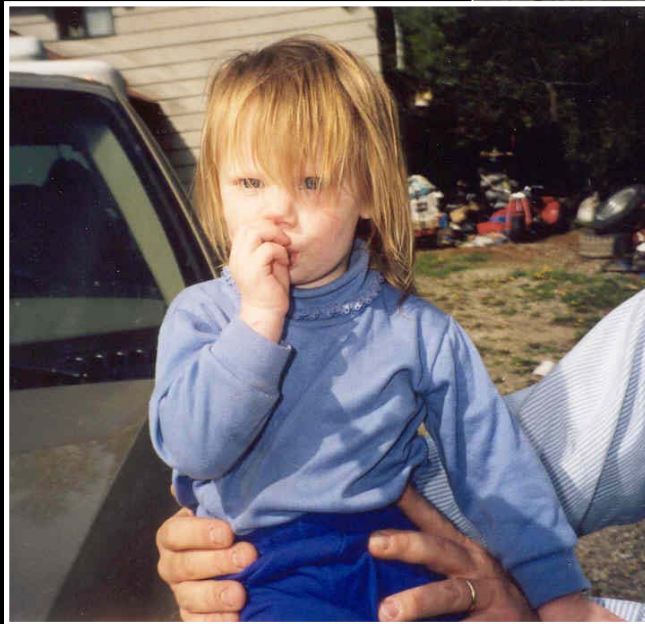
**What will Jade have for lunch?**

....little food  
but plenty of  
syringes.





# Abundant supply of toxic chemicals throughout the home.



**Every  
little life,  
deserves  
our  
attention.**

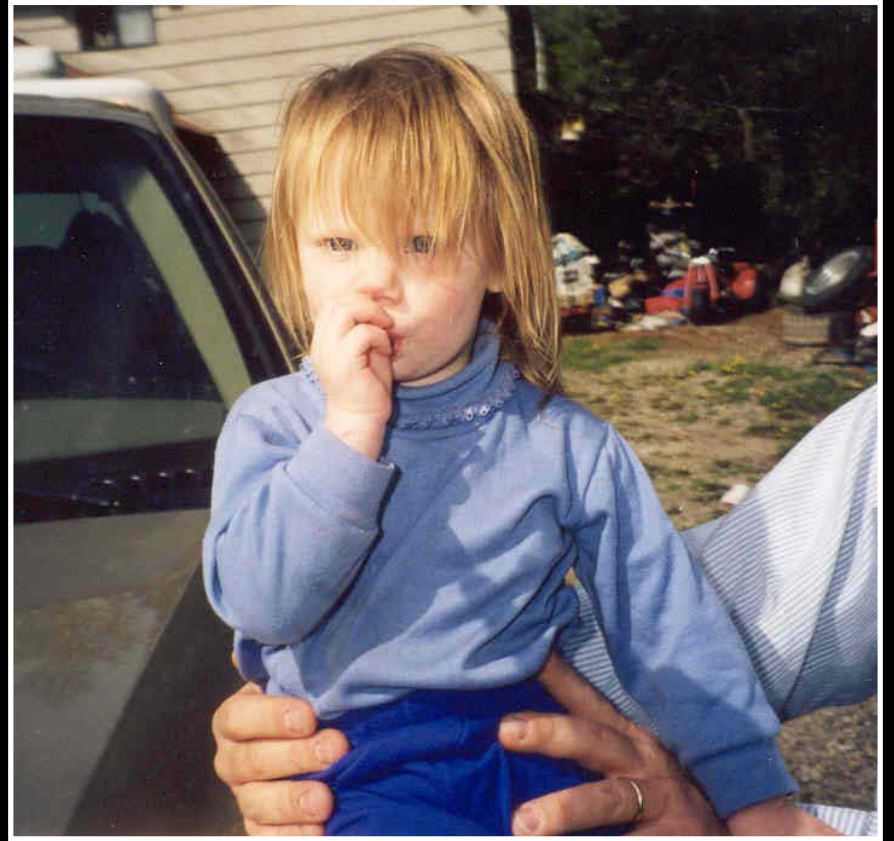


# Children are Meth Victims





**What can  
we do to  
keep  
children  
safe?**





**How do we  
intervene  
before  
tragedy  
occurs?**



# METH defies the usual trend



...coming first  
to rural areas



**Meth is dangerous to first responders.**



**Meth is dangerous to first responders.**



**Some people use Meth to look good....**



# These lead to ...





# These.



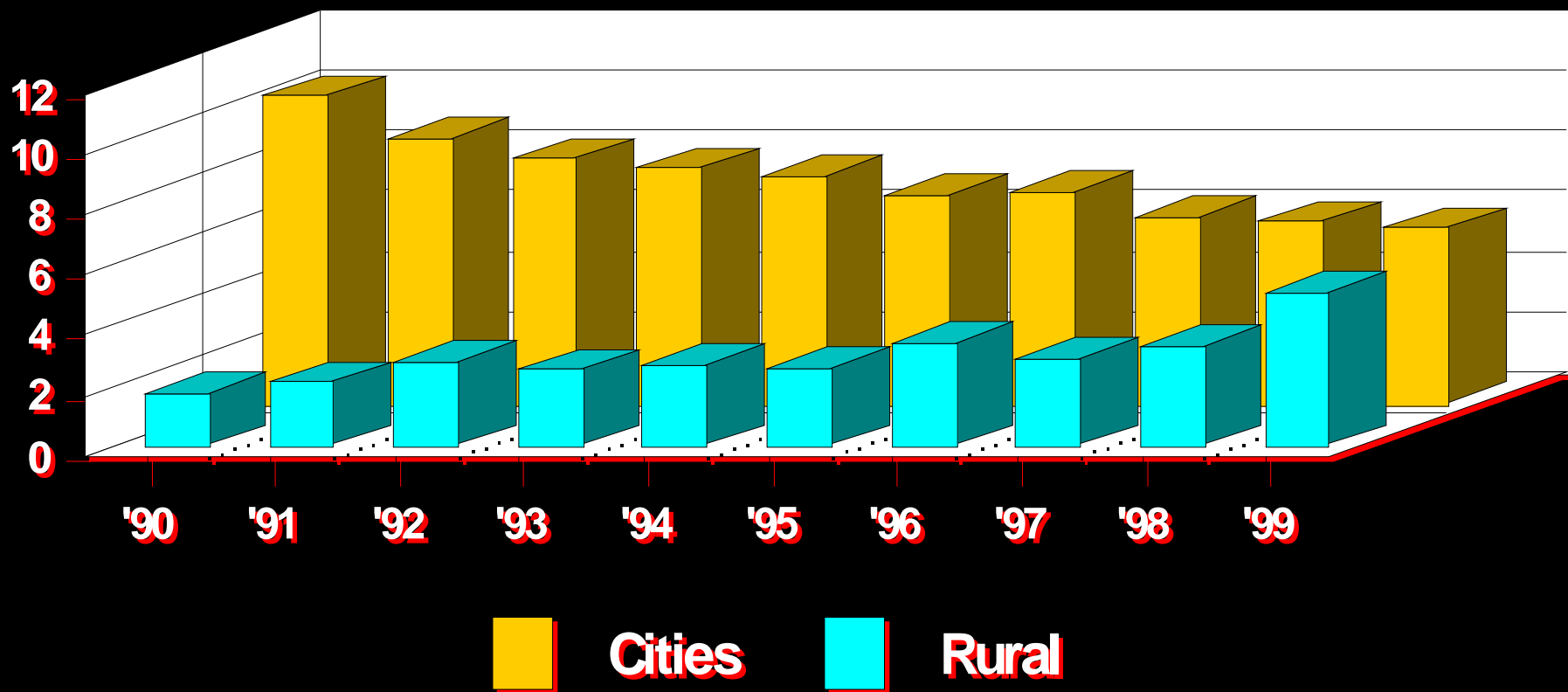
# Meth Kills



**The use of Amphetamines, including Meth, has long been associated with violent behavior.**



# Drug Related Homicides



# **Meth Use is Associated with Suicide In and Out of Jail**







**Meth addict Tracy Miller, 34**

A person wearing a dark t-shirt and blue jeans stands next to a dark-colored vehicle. The person's right arm is extended, and they are wearing a watch on their left wrist. The background shows a paved road and some greenery. Overlaid on the image is the text "Meth costs YOU money...." in a white serif font with a red outline. The word "YOU" is underlined.

Meth costs  
YOU  
money....

# Multnomah County, Oregon

- **\$363 cost per household in 2004**
- **Cost estimates include:**
  - **crime**
  - **fires**
  - **lab cleanup**
  - **foster care**
- **Many long-term costs are difficult to estimate.**



**...Cooking METH adds  
another element of danger**



**...Cooking METH adds  
another element of danger**





**...Cooking METH adds  
another element of danger.**



**In 2001, an estimated  
29,000 AIDS cases  
were diagnosed  
among minority racial  
or ethnic groups.**

**(CDC, 2002)**

**People take Meth to look good.....**





**People Take Meth to feel good....**



**Some people use Meth to look good...**







Body by Crystal Meth.

**Some people use Meth to  
look good?**



**Some people use Meth to  
look good?**

**Crank  
Bugs**



**Some people use Meth to  
look good?**



**Meth  
Mites**



**Some people use Meth to  
look good?**



**Speed  
Bumps**



# Teens in Meth-using and making homes are at risk in so many ways...



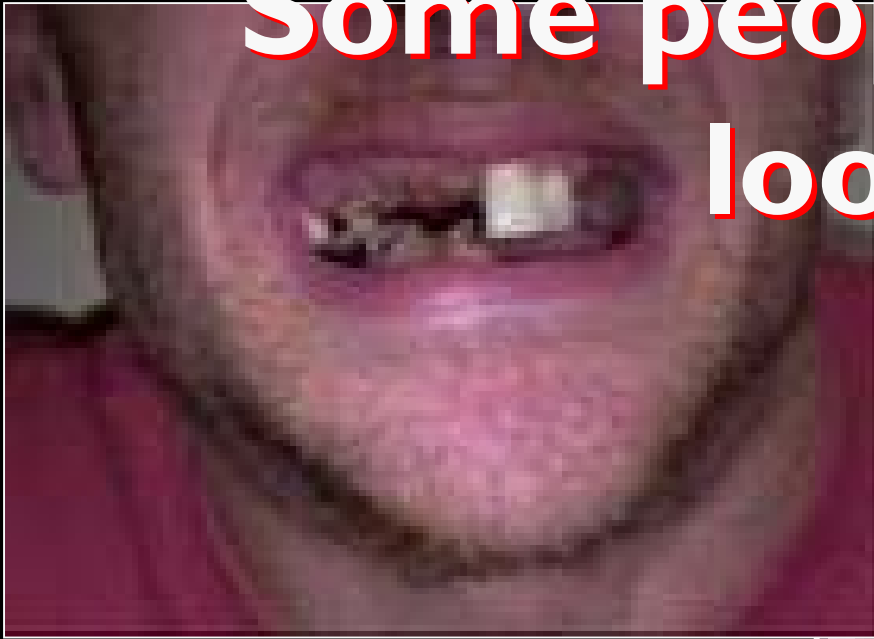
***4 in 5 children arrested are using something; few get treatment***  
***(Columbia University study)***

**Some people use Meth to  
look good?**



**Long-Term I-M Meth Injector**

**Some people use Meth to  
look good?**



**Meth  
Mouth**



**Some people use Meth to  
look good?**



**Three Months**

**Some people use Meth to  
look good?**



**Four Months**



**Some people use Meth to  
look good?**



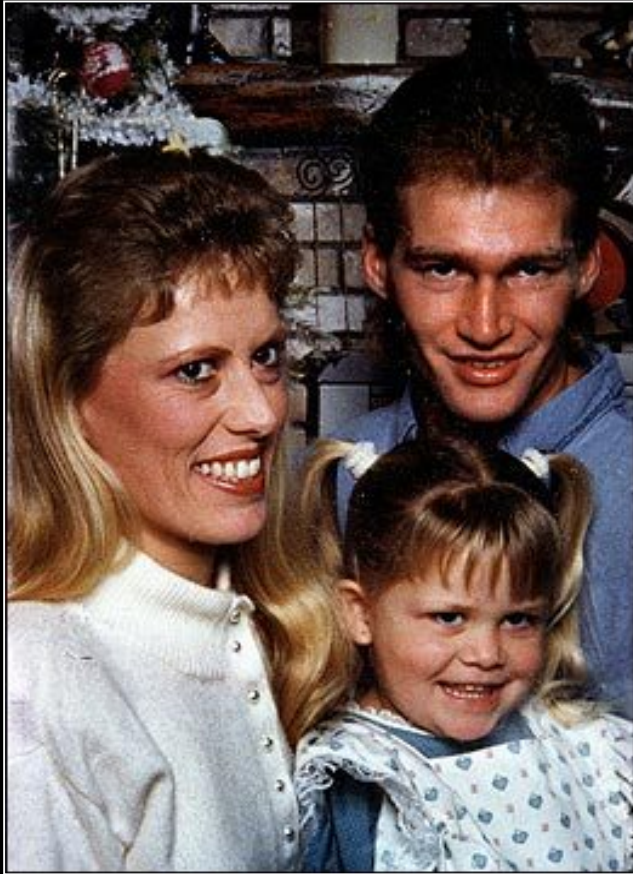
**Seven Months**

**Some people use Meth to  
look good?**



**Seventeen Months**

**Some people use Meth to  
look good?**

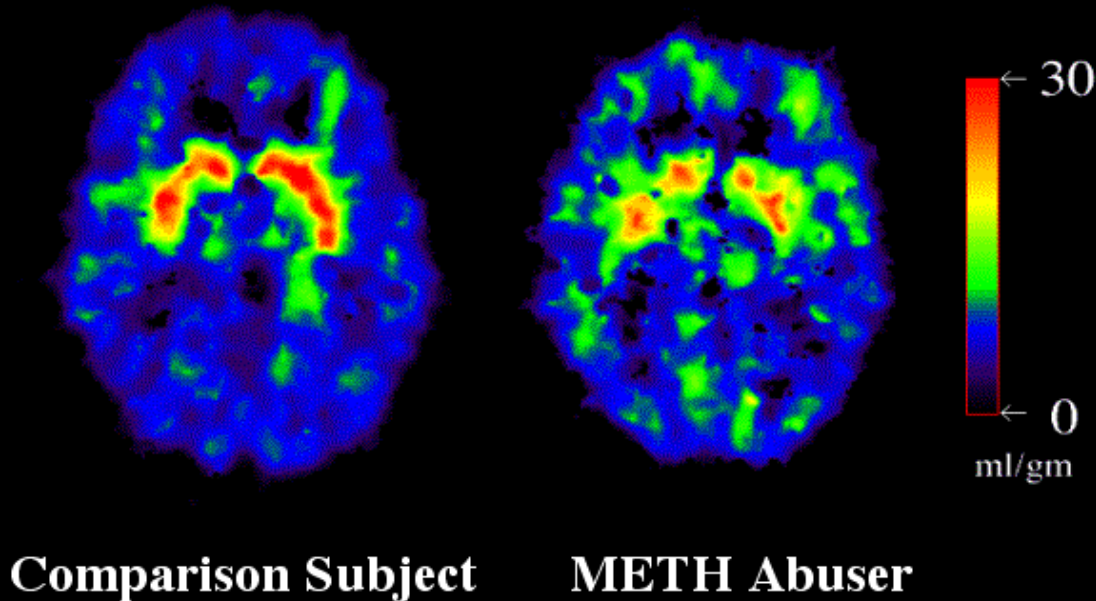


**Two Years, Three Months**



# Prolonged drug use causes fundamental changes in the brain.

## Loss of Dopamine Neurons After Heavy Methamphetamine Use



*Source: Volkow, N.D. et al., Am J. Psychiatry, 158(3), pp. 377-382, 2001.*

**Some damage to brain tissue and systems may be permanent. MRIs and PET scans of some chronic users look like those of people with stroke, Parkinsons, Alzheimers, and epilepsy.**





**This was not supposed  
to be my life!**



**This was not supposed  
to be my life!**



**This was not supposed  
to be my life!**



**This was not supposed  
to be my life!**



**This was not supposed  
to be my life!**





**This was not supposed  
to be my life!**

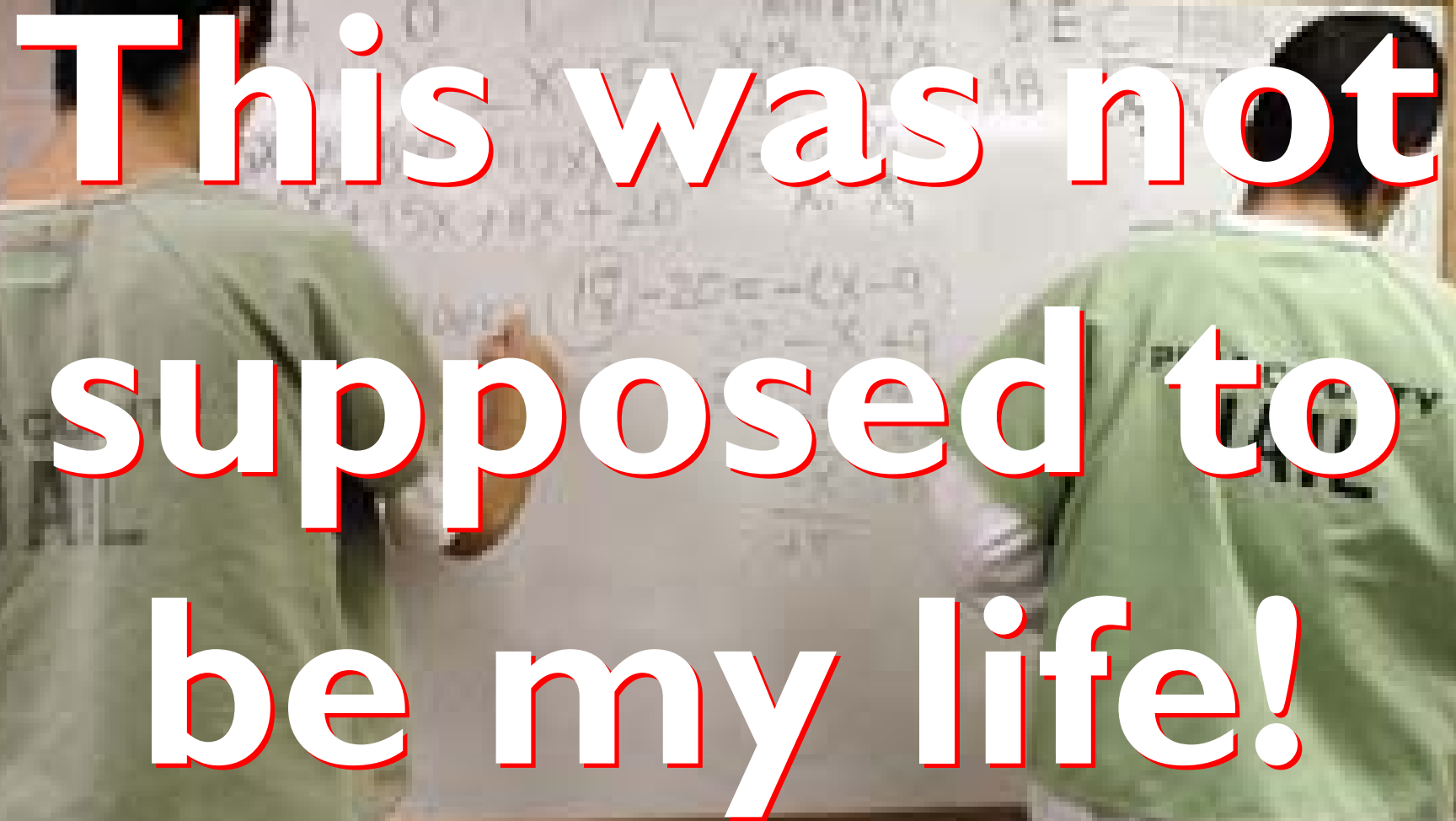


**This was not supposed  
to be my life!**



**This was not supposed  
to be my life!**



A photograph of two individuals from behind, wearing green jumpsuits, standing in front of a large chalkboard. They appear to be in a classroom or institutional setting. The chalkboard is filled with handwritten mathematical equations and algebraic expressions. The text 'This was not supposed to be my life!' is overlaid in large, white, bold letters with a red outline.

**This was not  
supposed to  
be my life!**

# Meth Kills





# Meth Destroys Communities

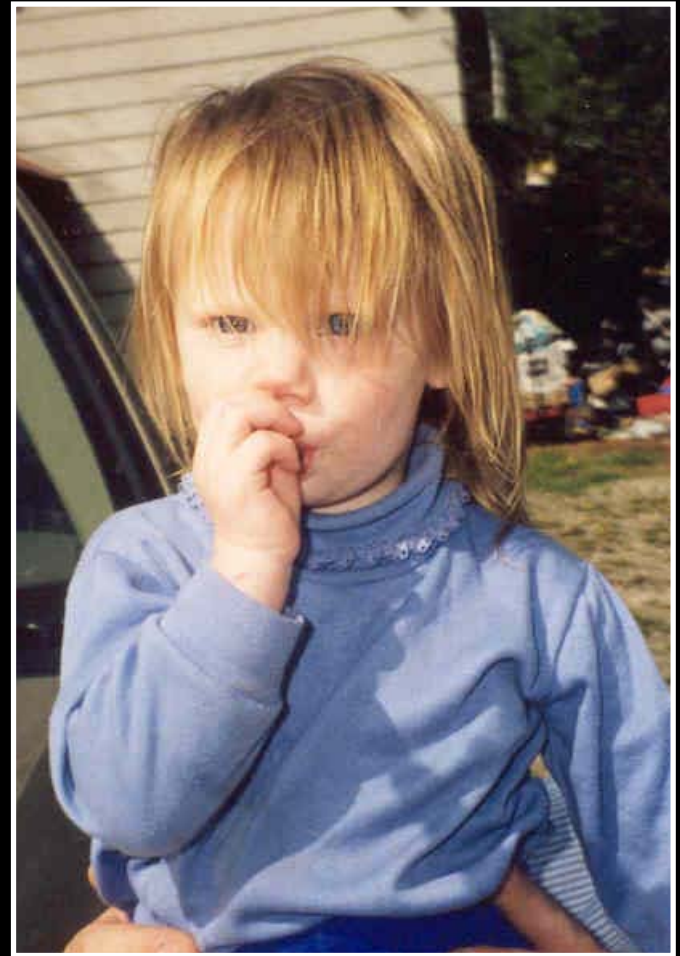


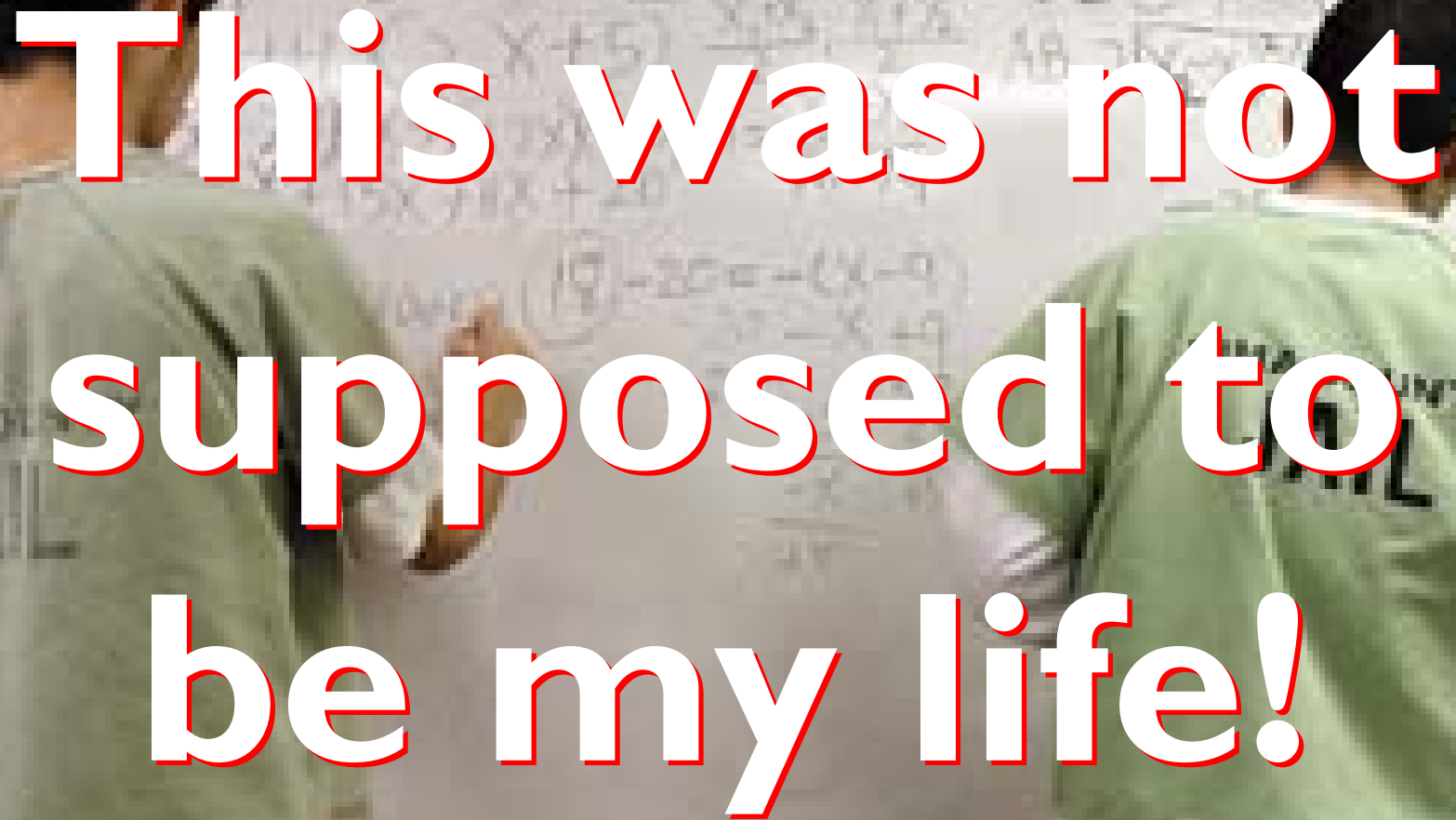
# Meth Costs You Money





# Meth Hurts Kids



A photograph of two men from behind, wearing green jumpsuits, standing in front of a large chalkboard. The jumpsuits have "MA COUNTY JAIL" printed on the back. The chalkboard is filled with handwritten mathematical equations and algebraic expressions. The text "This was not supposed to be my life!" is overlaid in large white letters with a red outline.

**This was not  
supposed to  
be my life!**

**What is**

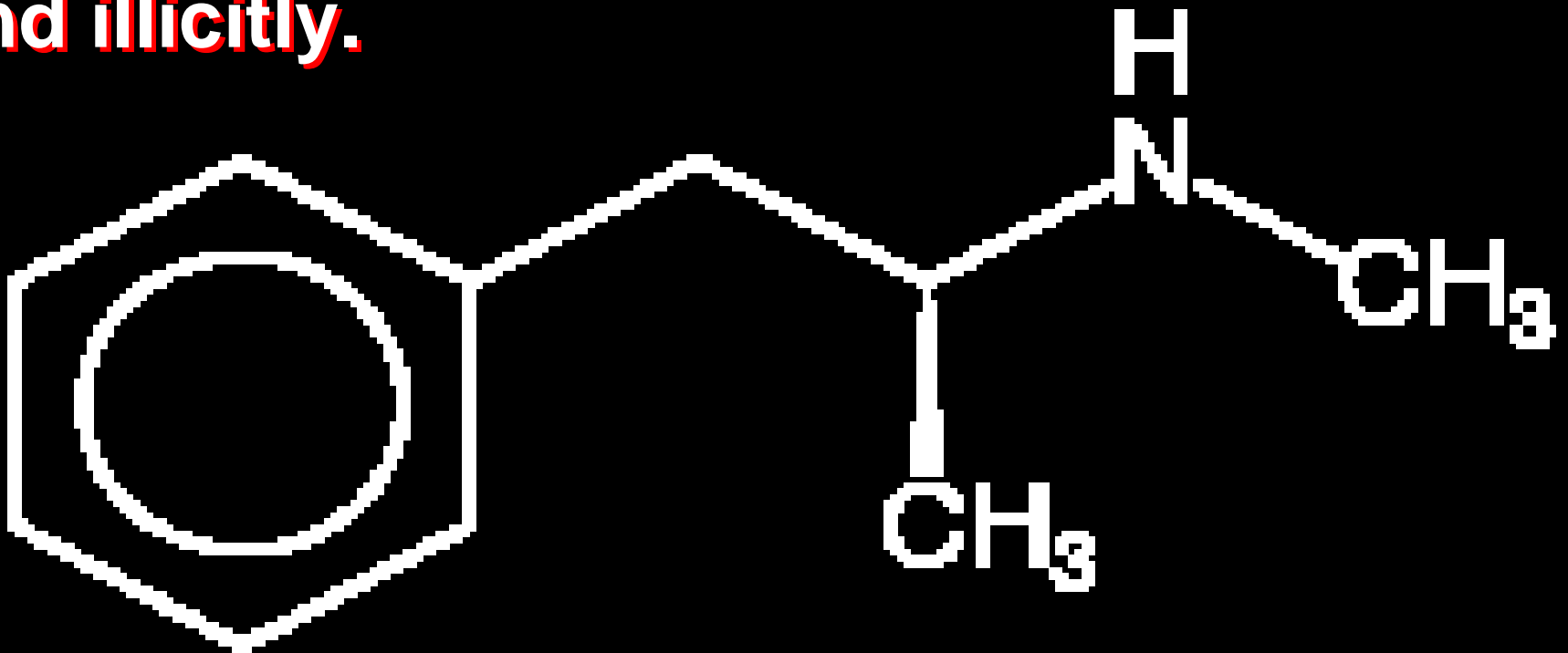
---

**Meth?**

---



**METHAMPHETAMINE:** An amine derivative of amphetamine, used in the form of its crystalline hydrochloride as a central nervous system stimulant, both medically and illicitly.



# Meth Variations

- **l-Meth (levo-M)** is the active ingredient in OTC products (such as VICKS inhalers). Used as directed, it poses no risk to health; does not have substantial addictive qualities.
- **dl-Meth (dextro-levo-Meth)** is produced using the P2P method (preferred method late 1970s to early 1980s.) Production and use of dl-Meth, less potent than d-Meth, is limited but present.
- **d-Meth (dextro-Meth)** is produced using ephedrine/pseudo reduction methods. It is a controlled substance and potent CNS stimulant that enters the brain easily. Highly addictive, d-Meth is the most potent, widely abused form of Methamphetamine.

# Meth Ingredients

- Ephedrine or pseudoephedrine, red phosphorous, hydrochloric acid, drain cleaner, battery acid, lye, lantern fuel, anhydrous ammonia, antifreeze, etc.

# **A Little Meth** **History**

- **World War II**
- **Hell's Angels**
- **Synthetic Manufacture**
- **Deregulation of Cold Medicine**

# Meth

- Easy to make
- Easy to use
- Inexpensive
- Highly Addictive



# Stages of Meth Use

- **RUSH (5-30 MINUTES)**
  - The abuser's heartbeat races and metabolism, blood pressure and pulse soar with intense feelings of pleasure.

# Stages of Meth Use

- HIGH ( 4-16 Hours)

- The meth user often feels aggressively smarter and becomes argumentative.

# Stages of Meth Use

- **BINGE (3-15 Days)**

- The meth user maintains the high for as long as possible and becomes hyperactive, both mentally and physically.

# Stages of Meth Use

- TWEAKING

- The most dangerous stage of the cycle. Tweakers have probably not slept in 3-15 days and are irritable and paranoid.

# Stages of Meth Use

- CRASH (1-3 Days)

- The user does not pose a threat to anyone. He becomes very lethargic and sleeps.



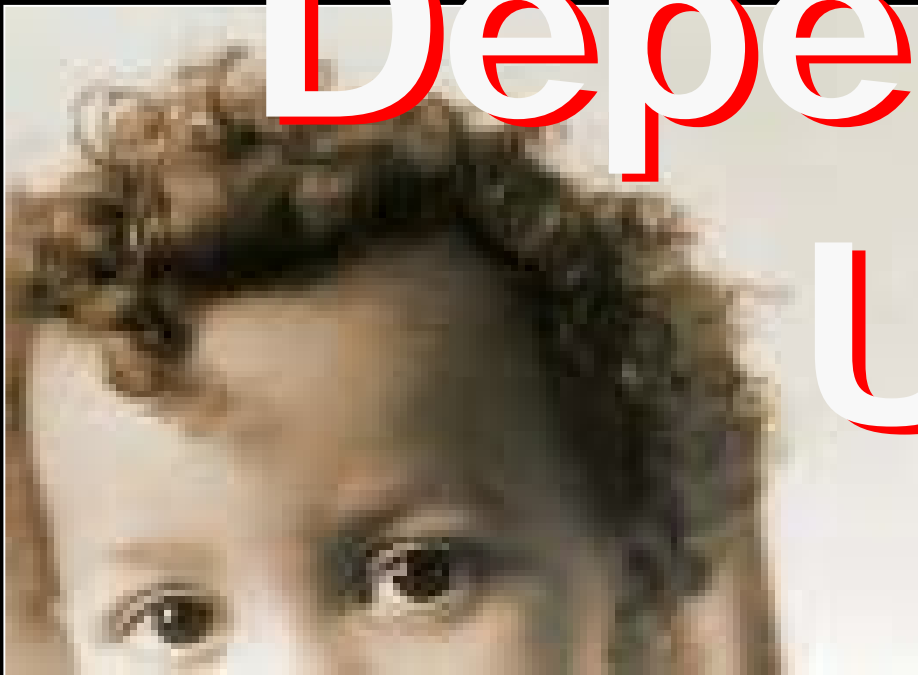
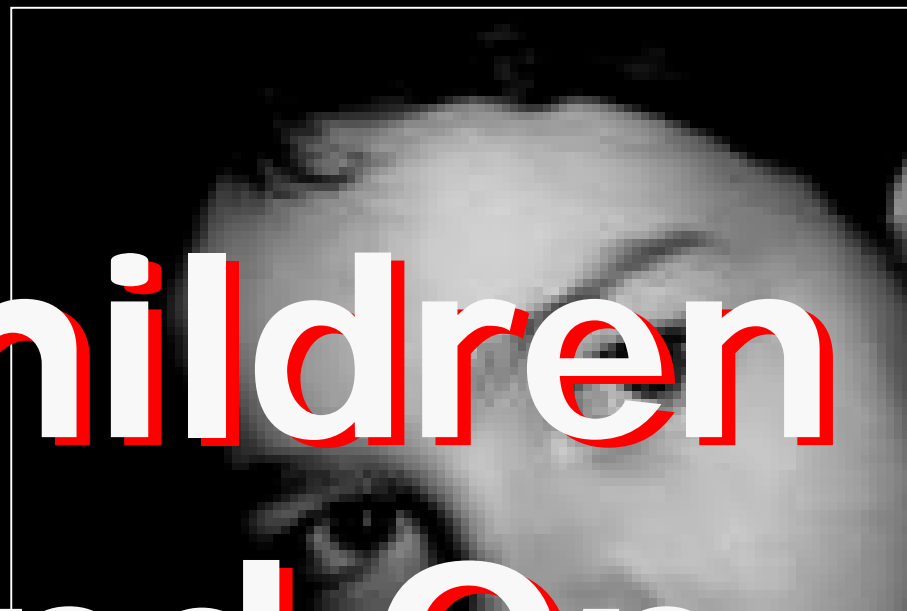
# Stages of Meth Use

- **NORMAL (2-14 DAYS)**
  - The user returns to a state that is slightly deteriorated from the normal state before the abuse.

# Stages of Meth Use

- WITHDRAWAL (30-90 Days)
  - No immediate symptoms are evident, but the user first becomes depressed and then lethargic. The craving for meth hits and he may become suicidal.

# The Children Depend On Us



# Meth, Guns and Sex

# Meth and Pregnancy

Kathryn Wells, MD, Denver Family Crisis Center, 2004.

- Meth causes increased maternal blood pressure and heart rate, which can result in premature delivery or spontaneous abortion.
- Meth constricts blood vessels in the placenta, resulting in reduced blood flow to the fetus; reduced oxygen and nutrient supply.
- Meth passes through the placenta; can cause elevated fetal blood pressure leading to prenatal strokes, heart or organ damage; slowed or altered fetal growth

# Meth and Pregnancy

Dr. Rizwan Shah, Blank Children's Hospital, Des Moines

---

*Observed among 500+ pregnant meth users:*

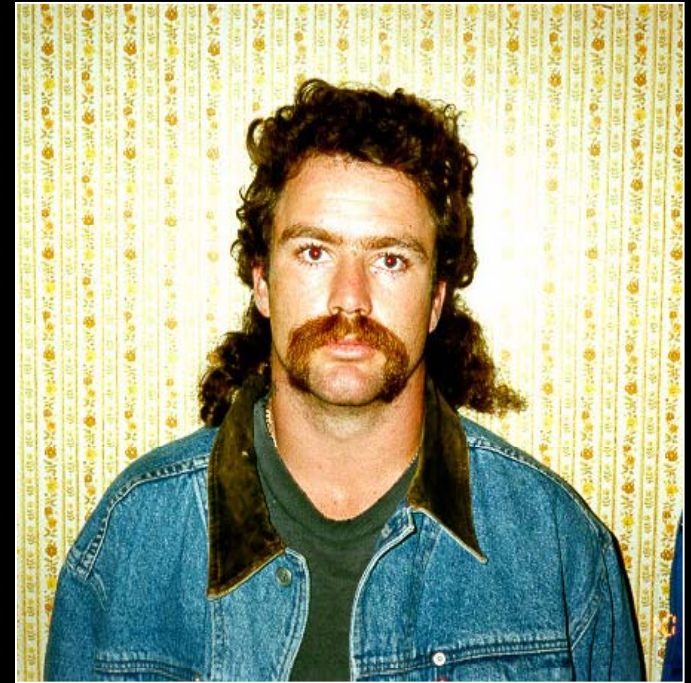
- Users often malnourished
- Some pre-birth stroke and brain hemorrhage
- Some babies born meth-dependent
- Increased rates of preemies; full-term but low weight-slow growth babies showing:
  - difficulty sucking/swallowing
  - hypersensitivity to touch and light
  - tremors, and coordination problems



# Approaching Someone High on Meth

Idaho State Police

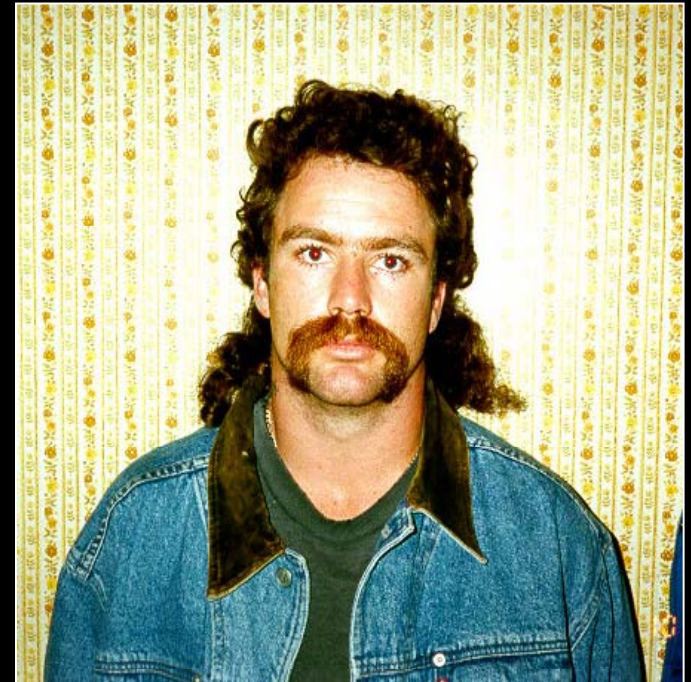
- Stay 6 – 10 feet away
- Avoid shining bright lights at them
- Slow your speech and lower the pitch of your voice



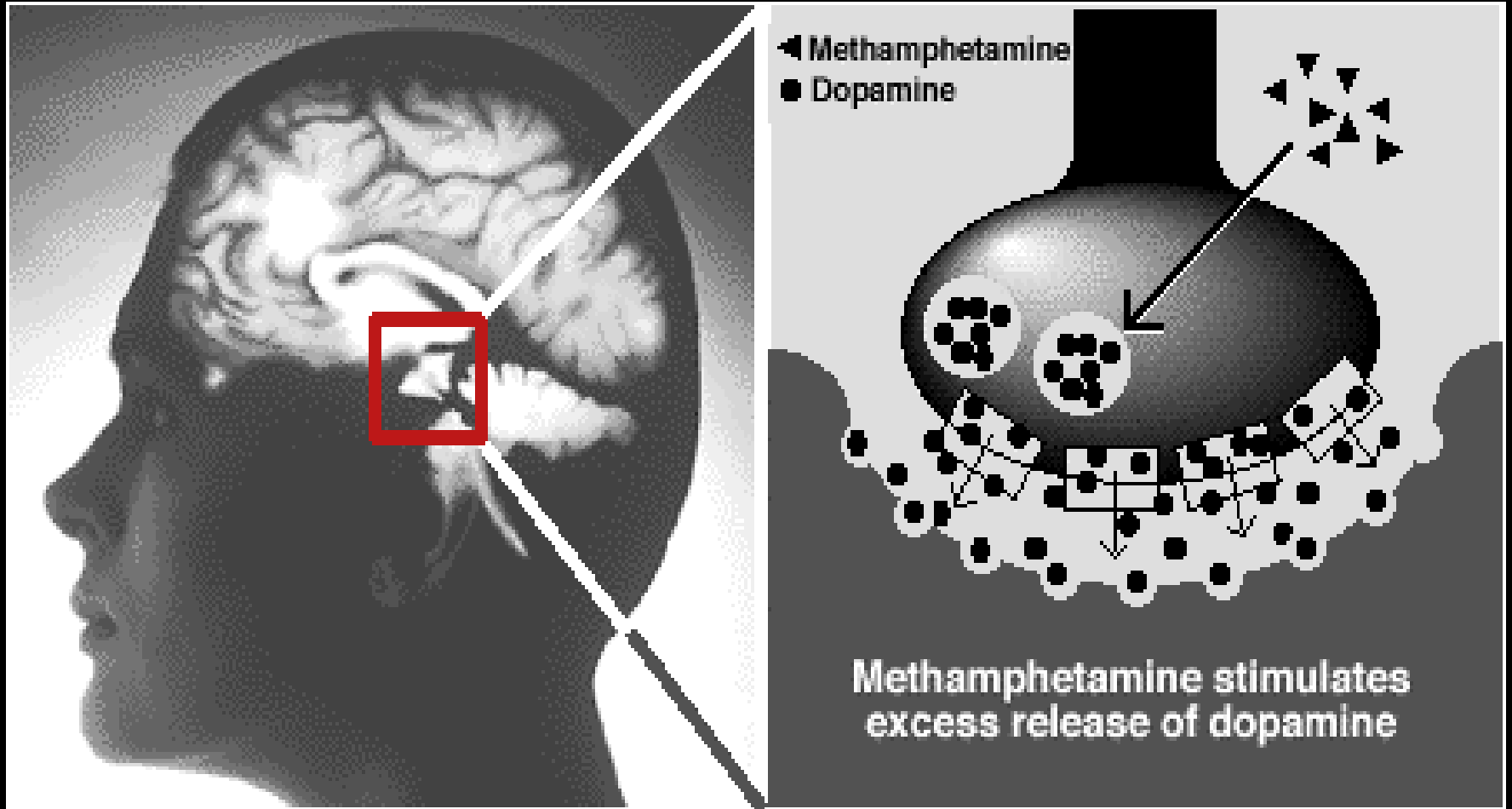
# Approaching Someone High on Meth

Idaho State Police

- Slow your movements
- Keep your hands visible
- Keep the "Tweaker" talking
- Back out slowly, maintaining eye contact until you are safely away from harm.



# Dopamine plays an important role in the regulation of pleasure.

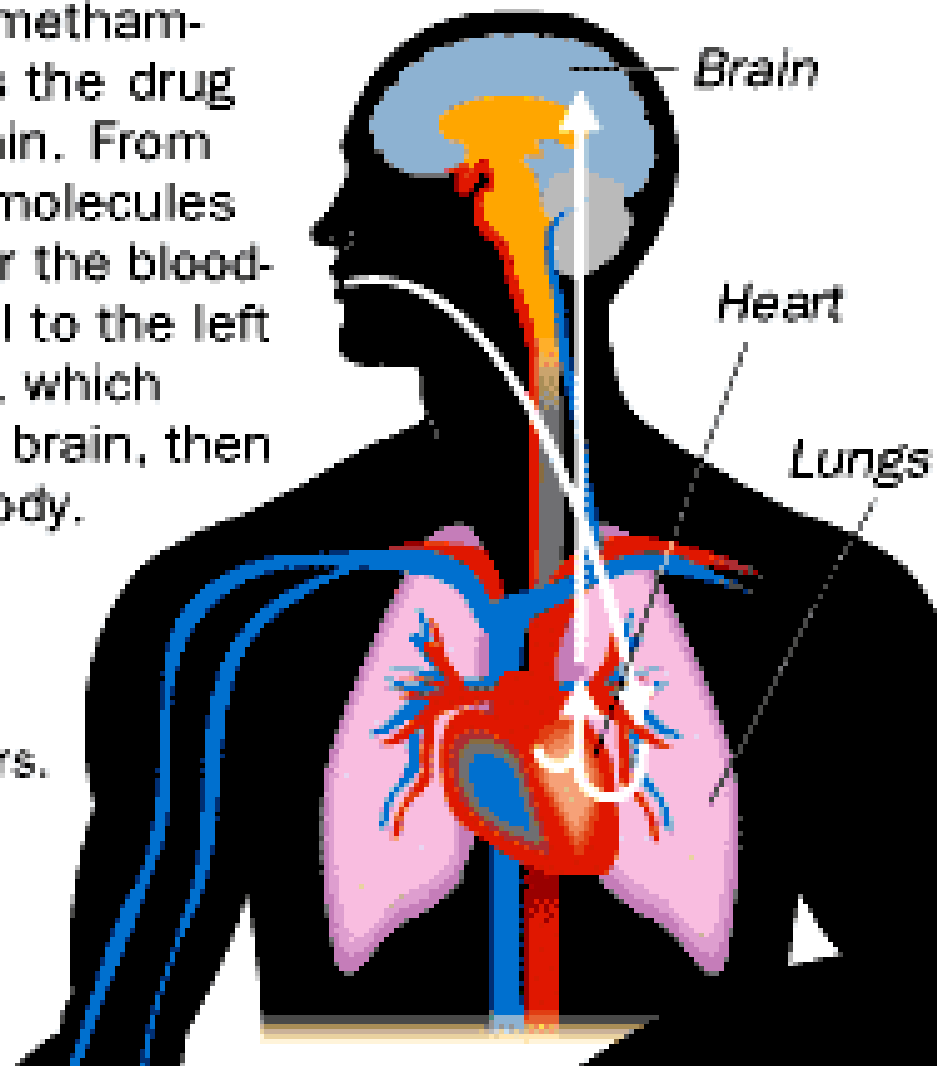


## Smoking ice: From the lungs to the brain

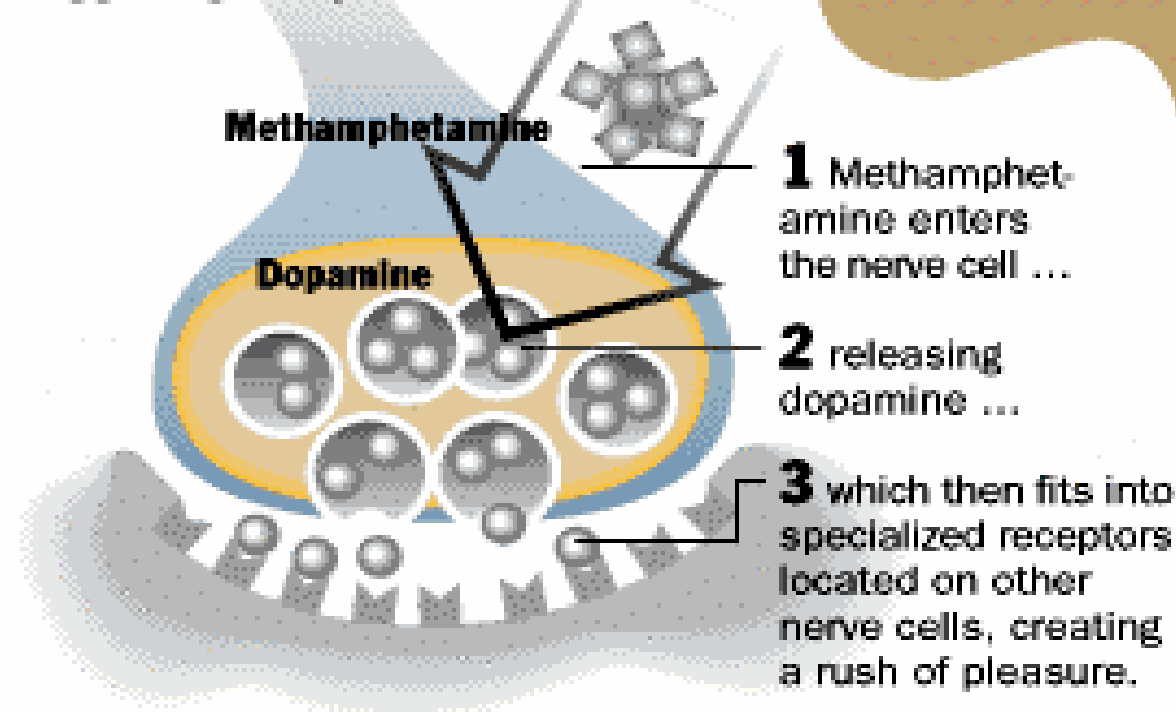
Smoking crystal methamphetamine sends the drug quickly to the brain. From the lungs, meth molecules immediately enter the bloodstream and travel to the left side of the heart, which pumps it into the brain, then through all the body.

A single dose of **methamphetamine** lasts for 6 to 8 hours.

A single dose of **cocaine** lasts only 8 to 20 minutes.

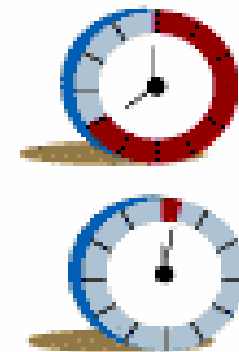


## Triggering the pleasure centers



## Damage and death: Effects of prolonged use

- **Small doses:** euphoria, decreased appetite and increased blood pressure, pulse, respiration and alertness.
- **Increasing doses:** Agitation, irritability, paranoia, hallucinations of sights and sounds, convulsions, coma, death.
- **Withdrawal:** depression, protracted sleep.



# How methamphetamine works in the body

Amphetamines replicate the stimulant the brain manufactures to respond to stress. Methamphetamine has an effect on the body similar to adrenaline, a survival hormone that allows people to function beyond normal limits.

## Straight to the brain

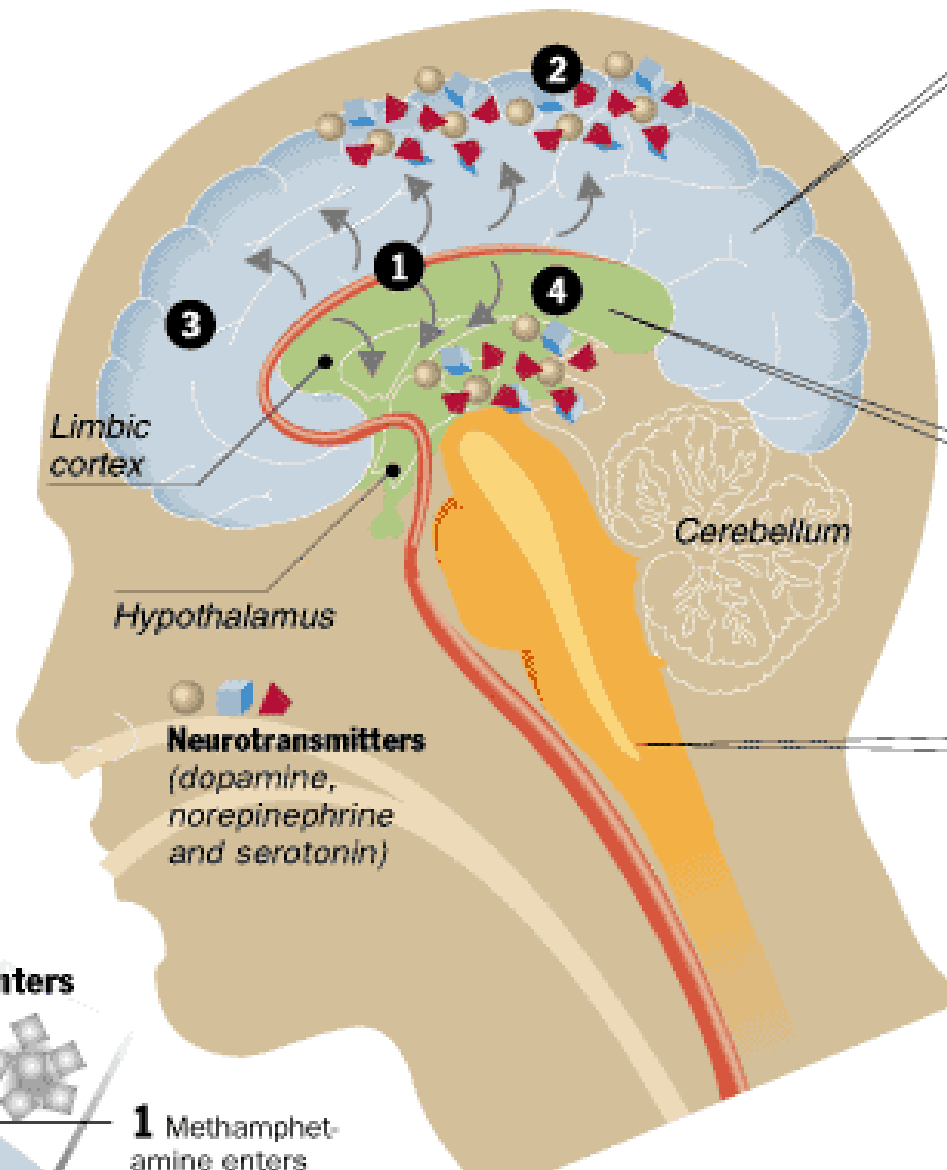
1. Meth enters the brain cells from the bloodstream.
2. It produces a storm of neuro-chemical activity having the brain release chemical messengers, called neurotransmitters, to stimulate sections of the brain.
3. Meth affects the cerebral cortex and causes the experiencing of heightened energy, elevated euphoria and powers of reasoning and thinking.
4. The drug also targets the limbic area –or pleasure center– which controls food, fight, flight and the sex drive.

## Triggering the pleasure centers

Methamphetamine



1 Methamphetamine enters



### Cerebral cortex

It is devoted to the senses. It enables an individual to see, hear, smell, taste and touch. It also facilitates speech and the understanding of words.

### Limbic system

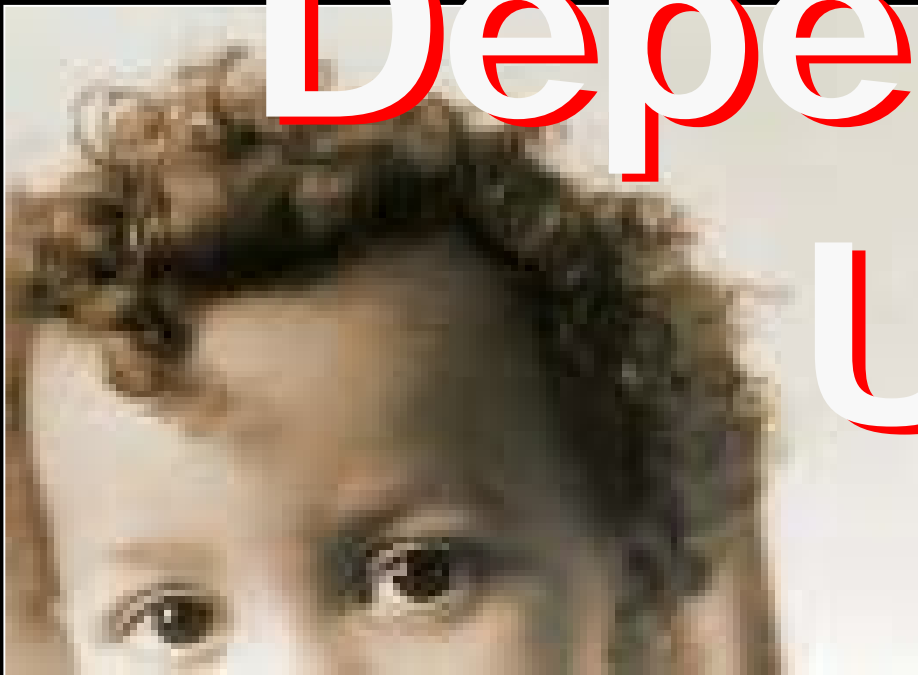
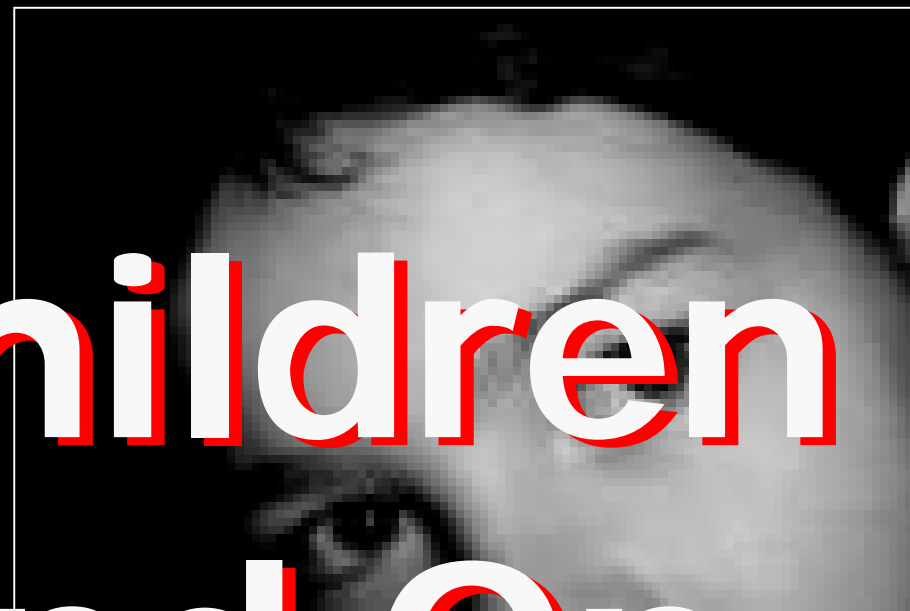
The limbic system influences instinctive behavior similar to animal responses that relate to survival.

### Brain stem

It's the brain's lowest portion and controls basic functions such as heart rate, breathing, eating and sleeping.



# The Children Depend On Us



Key  
knowledge  
about meth!

**You and your  
community are  
not and will not  
be isolated  
from meth.**

**You can't run  
from it or look  
for someone  
else to fix it.**

**Meth users are  
in every  
segment and  
demographic  
profile.**

You can't  
just talk  
about it.



You can't  
do it  
alone.

**There is no magic  
bullet solution for  
solving the  
problem, but...**

A

***PETE-V***

---

**Strategy for**

---

**Action**

---

# Prevention

**Goal/Vision: To create a community environment where Meth is not used and aggressive measures are taken by all parties to impede the manufacture, sale and use of meth.**

# Education

Goal/Vision: To create a community environment where all members of the community (adults, teens, youth) are knowledgeable regarding meth, its manufacture, distribution, sale and use.

# Treatment

Goal/Vision: To create a community environment where the continuum of treatment options are available, affordable and provided by both public and private providers.



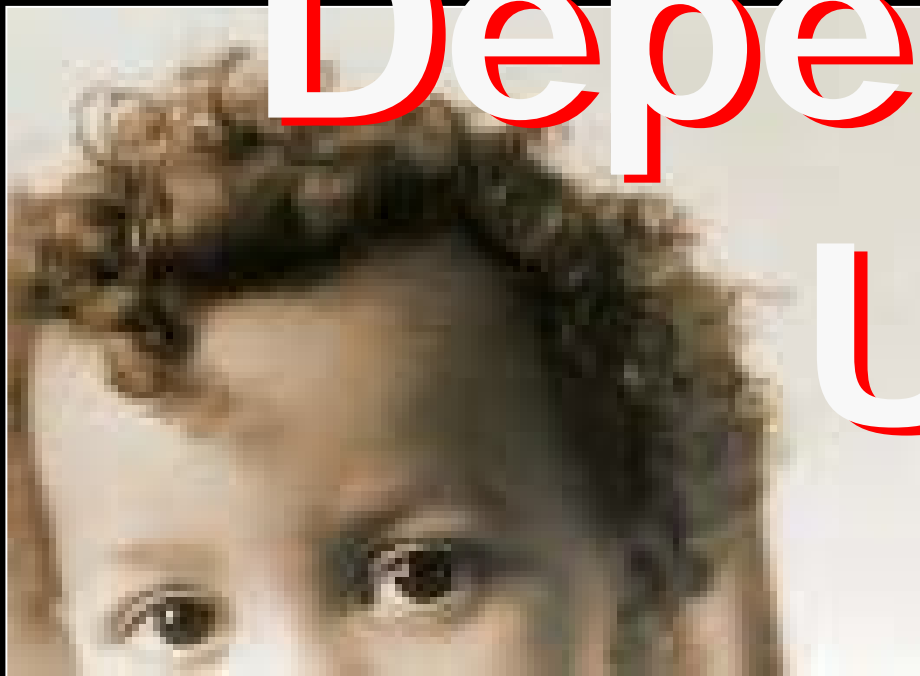
# Enforcement

Goal/Vision: To create a community environment where the enforcement of meth laws and ordinances is supported by all members of the community; that penalties for the violation of these laws and ordinances is consistent and metered so that the penalty matches the crime; that the responsible level of government is responsible for incarceration and that the level of supervision is appropriate to crime committed.

# **V**ictims

**Goal/Vision: To identify the victims of meth use and provide the support and community programming needed to meet their unique needs. These victims include users, the families of users and the communities in which meth is used.**

# The Children Depend On Us



If you think meth will not  
affect your life;

***THINK AGAIN***

---

# Meth Kills



If you think Meth will not  
affect your community;  
***THINK AGAIN.***

---



# Meth Destroys Communities



If you think your  
community has  
already done  
something;

***THINK AGAIN***

---

# Meth Costs You Money



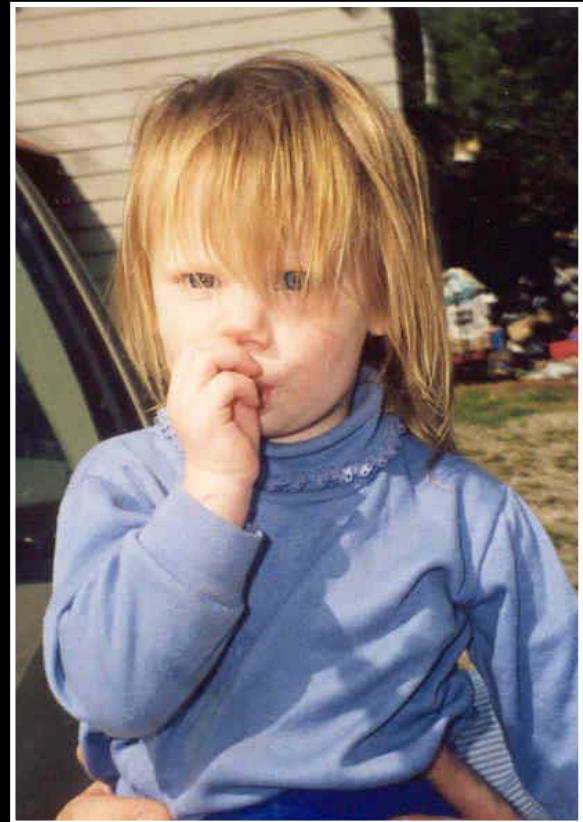
If you think your  
county has spent  
enough to combat  
meth;

***THINK AGAIN***

---



# Meth Hurts Kids



If you think your  
community is winning  
the battle against  
meth;

***THINK AGAIN***

---



# The Children Depend On Us

